

**LISTING OF THE CLAIMS**

1. (Currently Amended) A hydraulic system comprising:
  - a master cylinder with a housing;
  - a piston arranged with axial mobility to slide in the housing;
  - a pressure compartment inside the housing, said pressure compartment being filled with a hydraulic fluid and closed off by the piston;
  - a piston rod connected to the piston;
  - a sealing means arranged between the housing and the piston;
  - a slave cylinder; and
  - a hydraulic fluid conduit between the master cylinder and the slave cylinder;wherein an application of force to the piston rod causes the piston to move in an axial direction and to put the hydraulic fluid under pressure; and  
  
wherein the piston comprises a duroplastic polymer material and at least one material from the group consisting of polytetrafluoroethylene, molybdenum disulfide, and graphite.
2. (Original) The hydraulic system of claim 1, wherein the duroplastic polymer material comprises at least one component from the group of materials consisting of melamine, phenolic resin, epoxy resin, unsaturated polyester, silicone resin, urea, and formaldehyde.
3. (Cancelled)

4. (Original) The hydraulic system of claim 1, wherein the duroplastic polymer material is reinforced with glass fibers.

5. (Original) The hydraulic system of claim 4, wherein the proportion of the glass fibers is substantially in a range between 1% and 50% by weight.

6. (Original) The hydraulic system of claim 1, wherein the duroplastic polymer material is reinforced with globular glass beads.

7. (Original) The hydraulic system of claim 6, wherein the proportion of the glass beads is substantially in a range between 1% and 50% by weight.

8. (Currently Amended) ~~The hydraulic system of claim 1, wherein the housing comprises~~ A hydraulic system comprising:

a master cylinder with a housing comprising polytetrafluoroethylene;

a piston arranged with axial mobility to slide in the housing;

a pressure compartment inside the housing, said pressure compartment being filled with a hydraulic fluid and closed off by the piston;

a piston rod connected to the piston;

a sealing means arranged between the housing and the piston;

a slave cylinder; and

a hydraulic fluid conduit between the master cylinder and the slave cylinder;

13. (Original) The hydraulic system of claim 12, wherein the piston has a front surface facing the pressure compartment and the at least one sniffing groove is arranged on said front surface.

14. (Original) The hydraulic system of claim 13, wherein the at least one snifting groove comprises a plurality of snifting grooves distributed over a circumference of said front surface.

15. (Original) The hydraulic system of claim 12, wherein the at least one snifting groove has a depth substantially in a range between 0.5 mm and 1.5 mm.

16. (Original) The hydraulic system of claim 1, wherein the piston has a bore cavity containing a ball joint that is connected to the piston rod.

17. (Original) The hydraulic system of claim 1, comprising a first end-stop plate that is arranged on the piston rod and limits movement in a pull direction of the piston rod.

18. (Original) ~~The hydraulic system of claim 1, comprising~~ A hydraulic system comprising:  
a master cylinder with a housing;  
a piston arranged with axial mobility to slide in the housing;  
a pressure compartment inside the housing, said pressure compartment being filled with a  
hydraulic fluid and closed off by the piston;  
a piston rod connected to the piston;  
a second end-stop plate that is arranged on the piston rod and limits movement in a push  
direction of the piston rod;  
a sealing means arranged between the housing and the piston;  
a slave cylinder; and

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